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ABSTRACT

The Occupational Training Information System (OTIS) report enumerates current data on manpower supply and demand conditions (from July 1, 1974 to June 30, 1975) in selected occupations and training programs in Oklahoma. Data sources, which included Federal and State agencies, and the procedures used to collect and analyze the data are presented in the introductory chapter. Chapter 2 (42 pages) provides manpower supply and demand tables presenting statewide totals arranged according to: clusters of occupations, demand, vo-tech supply (secondary, postsecondary, and adult), other sources (Federal, private schools, and descriptive registration), and clusters of programs. Chapter 3 (39 pages) presents additional tables providing a descending rank order of program clusters by demand minus vocational-technical supply. The program cluster with greatest net manpower demand is ranked one and is followed in order by the program clusters with lesser demand. The rank ordering provides a simple analysis of the tables and is useful to quickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis. Appended are a sample student status form, OTIS procedural flow chart, and an index of statewide totals and descending order of program clusters. (Author/BP)

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CYCLE SEVEN REPORT

OCCUPATIONAL TRAINING INFORMATION SYSTEM

Supplement I

Statewide Totals and Descending
Rank Order of Program Clusters

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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CE 004 737

Oklahoma State Department of Vocational and Technical Education
Division of Research, Planning, and Evaluation
Information Services Unit
Stillwater, Oklahoma
January, 1975

ATTENTION

In lieu of the present economic condition, it is important that the reader understands that the data presented is the best information available on the manpower supply and demand estimated to exist during the time July 1, 1974, to June 30, 1975. The figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.

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FOREWARD

The Occupational Training Information System (OTIS) was designed to provide current information on the supply and demand for people trained in selected vocational and technical occupations. Since its inception in 1968, those responsible for operating the system have constantly sought to improve and make the information more usable. OTIS is an excellent example of the application of theory to the solution of critical problems in vocational and technical education.

OTIS is a valuable tool to the administrator faced with the decision of program selection. The growing emphasis on accountability in the entire field of education creates the necessity on the part of those responsible for program offerings to allocate the scarce training dollar to those areas where the greatest need exists.

We are pleased that a number of state agencies, school districts, teachers, and guidance counselors utilize the OTIS publication to plan training programs and to help direct students toward occupational goals. It is our hope that the OTIS Cycle Seven Report will prove to be helpful to both the educator and the student.

Stillwater, Oklahoma
January, 1975

Francis Tuttle, State Director of
Vocational and Technical Education

ACKNOWLEDGMENTS

This report is the result of the efforts of a great number of people in a number of agencies. The agencies that have contributed to the growth and continued development of the Occupational Training Information System (OTIS) are:

Board of Nurse Registration and Nurse Education
Governor's Comprehensive Manpower Planning Staff
Manpower Administration, U.S. Department of Labor
Manpower Development & Training Division
Oklahoma Employment Security Commission
Oklahoma Industrial Development Department
Oklahoma State Department of Vocational and Technical Education
Oklahoma State Office of Community Affairs and Planning
Oklahoma State University: Research Foundation, Manpower Research and Training Center, and School of Occupational and Adult Education
Ozarks Regional Commission

Among those whose contributions helped to make the report possible are Dr. Francis Tuttle of the Oklahoma State Department of Vocational and Technical Education who provides continuing support and leadership, Mr. Will Bowman, Mr. Bill Hunter, Dennis Martin, and the staff of the Planning and Research Division of the Oklahoma Employment Security Commission who made notable contributions with their provision of the updated demand information and registrants supply data for the report.

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Appreciation is expressed to Mr. E.R. Jeffers, Executive Secretary of the Oklahoma Private School Board, for the benefit of his experience and advice and for giving us the privilege of using their files on the Oklahoma private schools to gather required information on graduates in that sector.

We are indebted to the OTIS Advisory Committee for their guidance and direction in the future improvement of this system. The committee is listed below.

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CHAPTER I

INTRODUCTION

History of OTIS

It became apparent in Oklahoma that if existing manpower training and related agencies were to make their maximum contribution to the development of human resources, intensive efforts would have to be made in the direction of statewide manpower planning. The recognition of a need for statewide manpower planning is manifested in federal and state legislation, legislative acts, and in the establishment of coordinating committees and commissions in Oklahoma and in the nation. However, the need remained for the development and demonstration of an effective information system and related procedure for implementing statewide manpower planning.

In Oklahoma, two studies which explored the need for statewide manpower planning were completed in 1967. One was by Ling-Temco-Vought System Management Service and the other by Oklahoma State University. These studies were oriented toward identifying the actions and sequential steps necessary for the establishment of a flexible occupational training system that could provide skilled manpower to satisfy the state's present and future demand. In the spring of 1968, representatives from the Research Department of the Industrial Development and Park Department, the State Department of Vocational and Technical Education, and the Oklahoma Employment Security Commission met to discuss the needs for a statewide research and demonstration project. This project would bring maximum resources to bear on implementing the strategy for economic development which had as its major premise the development of a skilled labor force. Subsequently, the Manpower Research and Training Center at Oklahoma State University was approached to react in detail to the feasibility of such a project. In July of 1968, a proposal was submitted to the concerned agencies whereupon the State Department of Vocational and

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Technical Education and the Industrial Development and Park Department agreed to a preliminary funding of the project. Cooperation was provided by the Oklahoma Employment Security Commission and the Association of Private Schools.

Organizations which supported and/or cooperated in the development of the system included the Oklahoma State Department of Vocational and Technical Education, the Manpower Administration of the U. S. Department of Labor, the Oklahoma Industrial Development and Park Department, the Ozarks Regional Commission, the Research Foundation for Oklahoma State University, the Oklahoma Employment Security Commission, the State Accrediting Agency, the Manpower Research and Training Center at Oklahoma State University, the School of Occupational and Adult Education at Oklahoma State University, and the Oklahoma Research Coordinating Unit.

At an OTIS Advisory Committee meeting in January, 1970, the members representing these organizations transferred operational responsibilities to the newly formed Division of Research, Planning, and Evaluation of the Oklahoma State Department of Vocational and Technical Education.

Purpose

The purpose of this report is to enumerate current data on manpower supply and demand on selected occupations and training programs in Oklahoma.

Limitations

The data presented here represents the best information available on the manpower supply and demand conditions estimated to exist during the time July 1, 1974, until June 30, 1975. However, the figures in the manpower supply and demand tables should be viewed dynamically and not regarded as absolute values. This is especially true with certain industries where changes in the plans of a single firm could significantly influence the manpower demand in a given occupation. Any information of manpower needs is subject to error due to shifts in the economy, unexpected new industry starts, and other intervening variables.

Procedures

The procedures used to collect and analyze the data in this report are presented in two major sub-sections; these are manpower supply and manpower demand.

Sub-Section One - Manpower Supply

There are seven primary sources of manpower supply data used in this report; i.e., the Oklahoma State Department of Vocational and Technical Education, the Governor's Comprehensive Manpower Planning Staff, the State Accrediting Agency, the Oklahoma Employment Security Commission, the Oklahoma Board of Nurse Registration and Nurse Education, the Oklahoma Council for Health Careers and the State Regents for Higher Education.

The Student Accounting System operated by the Oklahoma State Department of Vocational and Technical Education provides information on three categories of manpower supply; i.e., high school vocational program graduates, post high school vocational program graduates, and adult vocational program graduates. The files for the Manpower Development Training Act (MDTA) and Comprehensive Employment and Training Act (CETA) graduates are maintained in the State Department office and are used as the source for "Federal" supply data.

The data entered into the tables in Chapter II for secondary and post secondary vocational and technical students are calculated in the following manner:

1. The first phase of the problem was to find the percentage of the 1973-74 students who have dropped out or completed each of the vocational programs and to find out how many are available for job placement. This was done by searching the Student Accounting System for:

    a. Those who dropped out of school and are employed full time in the field for which they were trained (Student Status Report, Code J)*

    b. The number of students who are unknown (Student Status, Code O)*

    c. Those who are not available for placement (Student Status Report, Codes E, F, H)*

    d. Those who are available for placement (Student Status Report, Codes A, B, C, D, I)*

e. The total number with completion response (Student Status Report, Codes A through L and O)*

f. The total number enrolled in the program for each occupational objective

The percentage of students who dropped out of school and are employed full time in the field for which they are trained or completed the program and were available for the labor market was calculated by:

$$PC = \frac{a + d}{a + d + b + C} \times \frac{f}{e}$$

If there was insufficient information to calculate the percentage, the percentage was based upon, "A Follow-Up Study of Graduates, 1974," Oklahoma Department of Vocational and Technical Education.

2. The second phase was to calculate the numbers of students available for the labor market by accumulating the number of students who completed the program (Student Status Report, Codes A through F, H, I)* from the 1973-74 Student Accounting System and multiplying it by the percentage worked out above for each occupational objective.

Secondary programs, other than vocational-technical programs, funded by the State Department of Vocational-Technical Education, provide input into the labor market. A survey of the Oklahoma City and Tulsa school systems was used as a sample for industrial arts programs. Nine statewide samples of schools were used in obtaining information on business and office training programs. Supply input has been calculated from the results of these surveys and is included in this publication.

The figures entered into the tables in Chapter II for adults are calculated by searching the Student Accounting System and other available records for:

g. The number of adult preparatory students,

h. The number of adult supplementary students in adult classes for each occupational objective

The formula used to calculate percentage available for the labor market was:

$$PC = \frac{g}{g+h} \times .89 \times \frac{\text{(Student Status codes ABCDI)}}{\text{(Student Status codes A through F, H, I)}}$$

The factor .89 was used to eliminate duplicated enrollment. The adult enrollment for 1973-74 was used to calculate the figures in the table in Chapter II.

One hundred percent of the graduates in the Federal programs is listed as available to the labor market.

Data on private school graduates were obtained from the license application required annually by House Bill 1403 and from telephone conversations with selected private schools' administrators. This licensing procedure is supervised by the State Accrediting Agency.

The Oklahoma Employment Security Commission provides the number of qualified registrants who are available to fill jobs listed in the OTIS Report.

The Oklahoma Board of Nurse Registration and Nurse Education and the Oklahoma State Department of Vocational and Technical Education provide data on the number of nurses who are available for the labor market.

Sub-Section Two - Manpower Demand

The primary data on manpower demand utilized in this report has been developed by the Oklahoma Employment Security Commission (OESC) based upon a comprehensive survey conducted during 1971 with an original sample of 2,633 firms. The firm listing included firms covered by the unemployment insurance laws and was augmented by a mixture of the larger non-covered establishments such as government agencies, hospitals, and other non-profit organizations. These firms were listed by industrial divisions in descending order by employment size. All of the establishments comprising the upper 50 percent of the industry's employment total were included in the survey. Of the remaining firms in the industry, 20 percent and 5 percent samples were selected from the third and fourth quartiles respectively. During June of 1971 questionnaires, job descriptions, and instructions were mailed to the surveyed firms. For the next two months, personal visits were made to the state's largest employers to solicit their cooperation. The OESC was able to survey 83.8 percent of the employment in the areas surveyed.

For the OTIS Cycle Seven Report, the data base was updated by the Research and Planning Division of OESC. Basically, the update consisted of reviewing the larger firms' employment changes. These were analyzed to see if they were following the previously

projected trend. Those establishments that varied from their forecast were contacted by OESC personnel to confirm the change and secure new projections. Furthermore, all newly established large firms were visited by OESC personnel to get employment information. This data was then incorporated into the data base and used to update the demand information.

The 1973 survey of health occupations which was conducted by the Oklahoma Employment Security Commission in conjunction with the Oklahoma State Department of Vocational and Technical Education was used to supplement the demand information. This survey sampled employers in the health occupations, such as hospitals, nursing homes, government agencies, and private practice. The Oklahoma Employment Security Commission combined all of the data from the agencies above and edited it in terms of known economic conditions to produce the figures interfaced in the manpower demand column of the tables.

Other manpower demand information has been developed by Jesse B. Mitchell, "Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations in Oklahoma," State Department of Vocational and Technical Education, September, 1971, and by the Oklahoma State University Agricultural Economics Department's Farm Manpower projections.

CHAPTER II

MANPOWER SUPPLY AND DEMAND TABLES

How to Use the Tables

The Net Additional Manpower Requirements Table utilizes the clustering of related occupations which are matched with programs that train workers for those occupations. A cluster may contain one or more occupations and one or more types of programs. The occupations are identified by Dictionary of Occupational Titles codes and the programs are identified by U.S. Office of Education Codes. The occupations are indexed for statewide totals and Descending Ordering of Program Clusters tables on the last three pages of the report. Some of the clusters are limited by the form of available data; demand data on drafting is not reported by level of drafting skills needed and, therefore, all levels of training are interfaced against the aggregate demand for draftsmen.

The vocational and technical supply is subtracted from the demand to obtain demand minus vo-tech supply. When demand exceeds supply, the demand minus vo-tech supply is positive; where the demand is less than the supply, the demand minus supply is negative. The negative numbers are indicated in the tables by the negative sign (-). Other supply, such as Federal, private schools and OESC registrants will be considered when calculating the net manpower requirements.

Although many factors influence the choice of program offerings in any given situation, one of the major considerations is the demand for the graduates of the program. When planning new programs or selecting a possible future occupation, one should examine the net manpower requirements within the region where the program will be offered, in the adjacent regions, the net manpower requirements in the Standard Metropolitan Statistical Area (SMSA) closest to the region, and the statewide net manpower requirements. In addition, any factor which influences the local labor market such as new industry starts should be considered.

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 5									
*180.118.0 FIELDMAN	60								
*404.887.0 PRUNER--PICKER	80								
**409.163.0 FARM MANAGER	816								
*413.191.0 FEEDLOT WORKER	66								
**421.883.0 FARM HAND, GENERAL	64								
		1,025							010100 AGRICULTURAL PRODUCTION
TOTAL	1,086	1,025			61				
CLUSTER NO. 10									
162.158.0 BUYER (WHOLESALE/ RETAIL AGRI)	103							62	
*520.885.0 FEED/FERTILIIER MIXER	43								
		70							010200 AGRICULTURAL SUPPLIES/SERV-ICE
TOTAL	146	70			76			62	

*Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations - Jesse Mitchell

**Oklahoma State University Farm Manpower Projections

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 15									
*599.885.0 MILL OPERATOR	51								
*624.281.0 AGRICULTURAL MECHANIC	227								
		610		1					010300 AGRICULTURAL MECHANICS
		23	3						179902 FARM MACHINERY REPAIR
TOTAL	278	633	3	1	-359				
CLUSTER NO. 20									
466.887.0 LIVESTOCK CARETAKER	39							26	
*919.887.0 YARDMAN	115								
		15							010400 AGRICULTURAL PRODUCTS
TOTAL	204	15			189			26	
CLUSTER NO. 25									
*142.081.0 FLORAL DESIGN	114								
*406.168.0 GREENHOUSE MAN	154						26		
407.884.0 GROUNDS KEEPER	168					11		48	
		16							010500 ORNAMENTAL HORTICULTURE
		22							040500 FLORISTRY
TOTAL	436	38			398	11	26	48	

*Employment Opportunities and Educational Needs in Off-Farm Agri-Business Occupations - Jesse Mitchell

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 30									
252.358.0 SERVICE SALESMAN	327							50	
		24							040100 ADVERTISING SERVICES
		28							040400 FINANCE AND CREDIT
TOTAL	327	52			275			50	
CLUSTER NO. 35									
165.068.0 PUBLIC RELATIONS	45							26	
		4							040100 ADVERTISING SERVICES
TOTAL	45	4			41			26	
CLUSTER NO. 40									
132.088.0 COPY WRITER	16							4	
		2							040100 ADVERTISING SERVICES
TOTAL	16	2			14			4	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 45									
260-289.0 SALES OCCUPATIONS (GOODS)	1,012							287	
290.478.0 SALES CLERK	2,596							575	
292.358.0 SALESMAN-DRIVER (ROUTEMAN)	240							85	
915.867.0 SERVICE STATION ATTENDANT	455							138	
		46							010200 AGRICULTURAL SUPPLIES/SERVICE
		127	6				39		040200 APPAREL AND ACCESSORIES
		27							040300 AUTOMOTIVE
		127		88					040600 FOOD DISTRIBUTION
		149							040800 GENERAL MERCHANDISE
		13							040900 HDW. BLDG. MAT. FARM SUPPLIES & EQP
		27							041000 HOME FURNISHING
		3							041200 INDUSTRIAL MARKETING
		4							041400 INTERNATIONAL TRADE
		22							041600 PETROLEUM
		11							041800 RECREATION AND TOURISM
		106	6						042000 RETAIL TRADE
		23							043100 WHOLESALE TRADE
									090204 HOME FURNISHING SERVICES
TOTAL	4,303	685	12	89	3,517		39	1,080	

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HANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 50									
310.868.0 HOSTESS	138							21	
311.878.0 WAITRESS OR WAITER	1,674							595	
319.138.0 FOOD SERVICE SUPERVISOR	93							13	
		109							040700 FOOD SERVICES
		137							090203 FOOD MANAGEMENT PROD. & SERVICE
		27							172900 OTHER FOOD OCCUPATIONS
		35							172904 WAITER OR WAITRESS
TOTAL	1,905	308			1,597			629	
CLUSTER NO. 55									
242.368.0 HOTEL CLERK	220							38	
									041100 HOTEL AND LODGING
TOTAL	220				220			38	

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HANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 60									
166.168.0 SPECIAL AGENT	47							17	
169.168.0 UNDERWRITER	51							14	
241.108.0 CLAIM ADJUSTER	48							24	
250.258.0 INSURANCE SALESMAN	172							47	
									041300 INSURANCE
TOTAL	318				318			102	
CLUSTER NO. 69									
191.282.0 REAL ESTATE APPRAISER	31							6	
									041700 REAL ESTATE
TOTAL	31				31			6	
CLUSTER NO. 70									
162.158.1 PURCHASING AGENT	72							22	
		42	18	17					049900 DISTRIBUTIVE EDUCATION, OTHER
TOTAL	72	42	18	17	-5			22	

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HANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 75									
189.168.0 MANAGER, TRAINEE	298		102					127	049901 MID MANAGEMENT
TOTAL	298		102		196			127	
CLUSTER NO. 80									
079.378.1 DENTAL OFFICE ASSISTANT	126	73					50	40	070101 DENTAL ASSISTING
TOTAL	126	73			53		50	40	
CLUSTER NO. 85									
078.368.3 DENTAL HYGIENIST	25		8					8	070102 DENTAL HYGIENIST (ASSOC)
TOTAL	25		8		17			8	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 90									
078.381.0 MEDICAL LABORATORY ASSISTANT	107					16		11	
			67						070203 MEDICAL LABORATORY ASSISTING
TOTAL	107		67		40	16		11	
CLUSTER NO. 95									
100.388.0 MEDICAL RECORD LIBRARIAN	16								
		3		5					070210 MEDICAL RECORD TECHNICIAN
TOTAL	16	3		5	8				
CLUSTER NO. 100									
075.378.0 REGISTERED NURSE BACC,DIPL,ASSOC	840							46	
			227						070299 NURSING (BACCALAUREATE)
			124						070300 NURSING (DIPLOMA PROGRAM)
			286						070301 NURSING (ASSOCIATE DEGREE)
TOTAL	840		637		203			46	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 105									
079.378.0 LICENSED PRACTICAL NURSE (L.P.N.)	774							110	
				537					070302 PRACTICAL (VOC) NURSING
TOTAL	774			537	237			110	
CLUSTER NO. 110									
355.878.0 NURSE AIDE	1,639							783	
		195		228			59		070303 NURSE ASST. (AID/ORDERLY)
TOTAL	1,639	195		228	1,216		59	783	
CLUSTER NO. 115									
355.878.1 PSYCHIATRIC AIDE	70							21	
									070304 PSYCHIATRIC AID
TOTAL	70				70			21	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 120									
079.378.2 SURGICAL TECHNICIAN	87							22	
			9	3					070305 SURGICAL TECHNICIAN
TOTAL	87		9	3	75			22	
CLUSTER NO. 125									
079.368.1 OCCUPATIONAL THERAPIST AIDE	14							6	
		2	5	6					070401 OCCUPATIONAL THERAPY ASST.
TOTAL	14	2	5	6	1			6	
CLUSTER NO. 130									
355.878.2 PHYSICAL THERAPIST AIDE	45							18	
		4	4						070402 PHYSICAL THERAPY ASST. (AID)
TOTAL	45	4	4		37			18	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 135									
078.368.2 RADIOLOGIC TECHNOLOGIST	72							7	
			62				99		070501 RADIOLOGIC TECH. (X-RAY)
TOTAL	72		62		10		99	7	
CLUSTER NO. 140									
079.378.3 ENVIRONMENTAL HEALTH TECH.	6								
			6						070721 ENVIRONMENTAL HEALTH TECH
TOTAL	6		6						
CLUSTER NO. 145									
078.368.0 E.E.G. TECHNICIAN	7								
									070901 E.E.G. TECHNICIAN
TOTAL	7				7				

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 150									
078.368.1 E.K.G. TECHNICIAN	18							7	070902 E.K.G. TECHNICIAN
TOTAL	18				18			7	
CLUSTER NO. 155									
079.368.0 INHALATION THERAPIST	44							10	
			47						070903 INHALATION THERAPY TECH.
TOTAL	44		47		-3			10	
CLUSTER NO. 160									
079.368.2 MEDICAL OFFICE ASSISTANT	101							50	
		68	4				90		070904 MEDICAL OFFICE ASSISTANT
			1						070914 MEDICAL ASSISTANT
TOTAL	101	68	5		28		90	50	

0.30

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 165									
223.887.0 CENTRAL SUPPLY WORKER	38							7	070908 CENTRAL SUPPLY TECHNICIAN
TOTAL	38				38			7	
CLUSTER NO. 170									
355.878.4 MEDICAL EMERGENCY TECHNICIAN	30		30						070907 MEDICAL EMERGENCY TECH.
TOTAL	30		30						
CLUSTER NO. 175									
079.378.5 COMMUNITY MENTAL HEALTH WORKER	40		9					6	070915 COMMUNITY MENTAL HEALTH
TOTAL	40		9		31			6	

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 180									
249.388.1 MEDICAL RECORD CLERK	55							7	079901 MEDICAL RECORD CLERK
TOTAL	55				55			7	
CLUSTER NO. 185									
219.388.1 WARD CLERK	181							27	
		1		3					079902 WARD CLERK
TOTAL	181	1		3	177			27	
CLUSTER NO. 190									
079.378.4 DIETARY TECHNICIAN	23		5					3	079911 DIETARY TECHNICIAN
TOTAL	23		5		18			3	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 195									
729.281.0 BIOMEDICAL ELECT. EQUIPMENT TECH.	6							1	
			5						079921 BIOMEDICAL ELECTRONIC EQUIP. TEC
TOTAL	6		5		1			1	
CLUSTER NO. 196									
712.381.0 DENTAL LABORATORY TECHNICIAN	52							9	
									070103 DENTAL LAB TECHNICIAN
TOTAL	52				52			9	
CLUSTER NO. 197									
078.381.1 NUCLEAR MEDICINE TECHNOLOGIST	6							2	
			11						070503 NUCLEAR MED TECHOLOGY
TOTAL	6		11		-5			2	

0.33

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 198									
074.378.0 PHARMACY ASSISTANT	30							7	
TOTAL	30				30			7	
CLUSTER NO. 200									
359.878.0 NURSERY SCHOOL ATTENDANT	204							76	
		89	4						090201 CARE AND GUIDANCE OF CHILDREN
TOTAL	204	89	4		111			76	
CLUSTER NO. 205									
781.884.0 CUTTER (HAND OR MACHINE)	81							20	
785.381.0 SEAMSTRESS OR TAILOR	121							30	
786.782.0 SEWING MACHINE OPERATOR	1,874							417	
		98		9					090202 CLOTHING MGMT. PROD. & SERVICE
									090204 HOME FURNISHING SERVICES
		18							173302 TAILORING
TOTAL	2,076	116		9	1,951			467	

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 210									
321.138.0 HOUSEKEEPER	559	12					30	66	090203 INSTITUTIONAL & HOME MGMT. SERV
TOTAL	559	12			547		30	66	
CLUSTER NO. 215									
359.878.1 TEACHER AIDE	202							68	090201 CARE AND GUIDANCE OF CHILDREN
TOTAL	202				202			68	

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HANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 220									
160.288.0 COST ESTIMATOR	62								
168.288.0 CLAIMS EXAMINER	18							6	
186.168.0 BANK CASHIER	29							2	
209.388.1 STATEMENT CLERK	48							13	
210.388.0 BOOKKEEPER	674							34	
211.368.0 CASHIER	757							251	
212.368.0 BANKING TELLER	255							128	
215.388.0 BOOKKEEPING MACHINE OPERATOR	290							60	
215.488.0 PAYROLL CLERK	218							32	
217.388.0 TRANSIT CLERK	45							62	
219.488.0 ACCOUNTING CLERK	554							26	
249.368.0 CREDIT CLERK	45							143	
249.368.1 CLAIMS CLERK (INSURANCE)	93							12	
249.368.2 NEW ACCOUNT CLERK	68							17	
		44	15	71			446	9	140100 ACCOUNTING AND COMPUTING
TOTAL	3,154	44	15	71	3,024		446	805	
CLUSTER NO. 225									
213.000.0 DATA ENTRY EQUIPMENT OPERATOR	535							212	
		171	6	97			390		140200 BUSINESS DATA PROCESSING
TOTAL	535	171	6	97	261		390	212	

HANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 230									
209.388.0 CLERK-TYPIST	1,207							419	
219.388.3 GENERAL OFFICE CLERK	1,791							678	
237.368.0 ADMITTING CLERK	56							19	
249.383.0 LOAN CLOSER	23							15	
		694		63			497		140300 GENERAL OFFICE CLERICAL OCCUP.
		120	30	107					140900 TYPING & RELATE OCCUPATIONS
TOTAL	3,077	814	30	170	2,063		497	1,131	
CLUSTER NO. 235									
235.862.0 TELEPHONE OPERATOR	319							101	
		30		4					140400 INFORM, COMMUNICATIONS OCCUP.
TOTAL	319	30		4	285			101	
CLUSTER NO. 240									
232.368.0 POST OFFICE CLERK	264							26	
233.388.0 MAIL CARRIER	198							20	
									140403 MAIL AND POSTAL CLERKS
TOTAL	462				462			46	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 245									
205.368.0 PERSONNEL CLERK	182							54	
		1							140600 PERSONNEL, TRAINING & RELATED
TOTAL	182	1			181			54	
CLUSTER NO. 250									
201.368.0 SECRETARY	1,780					71		475	
202.388.0 STENOGRAPHER	603					160		195	
		672	17	77			572		140700 SECRETARY OR STENOGRAPHER
TOTAL	2,383	672	17	77	1,617	231	572	670	
CLUSTER NO. 255									
162.288.0 TITLE CLERK	26							11	
		2	30	6					140800 SUPERVISORY & ADMIN. PCMT.
TOTAL	26	2	30	6	-12			11	

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 260									
029.281.0 LABORATORY TESTER	97							10	160105 CHEMICAL TECHNOLOGY
TOTAL	97				97			10	
CLUSTER NO. 265									
005.181.0 CIVIL ENGINEERING TECHNICIAN	73							9	
018.188.0 SURVEYOR	66		2					10	160106 CIVIL TECHNOLOGY
TOTAL	139		2		137			19	
CLUSTER NO. 270									
003.181.0 ELECTRONICS TECHNICIAN	149							18	
003.181.1 ELECTRICAL TECHNICIAN	54							34	
			103						160107 ELECTRICITY 160108 ELECTRONIC TECHNOLOGY
TOTAL	203		103		100			52	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 275									
638.281.0 MAINTENANCE MECHANIC MILLWRIGHT	22								
710.281.1 ELECTROMECHANICAL TECHNICIAN	30							5	
		22	22						160109 ELECTROMECHANIC TECHNOLOGY
TOTAL	52	22	22		8			5	
CLUSTER NO. 280									
012.288.0 INDUSTRIAL ENGINEERING TECH.	53							7	
			4						160111 INDUSTRIAL TECHNOLOGY
TOTAL	53		4		49			7	
CLUSTER NO. 285									
710.281.0 INSTRUMENT REPAIRMAN	57							11	
			1						160112 INSTRUMENTATION TECHNOLOGY
			12	5					172100 INSTRUMENT MAINT. & REPAIR
TOTAL	57		13	5	39			11	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 290									
007.181.0 MECHANICAL ENGINEERING TECH	35							9	
019.281.0 QUALITY CONTROL TECHNICIAN	150							15	
			14						160113 MECHANICAL TECHNOLOGY
TOTAL	185		14		171			24	
CLUSTER NO. 295									
542.280.0 STILLMAN (PETROLEUM REFINING)	19							1	
549.380.0 PUMPMAN (PETROLEUM REFINING)	26							2	
									160116 PETROLEUM TECHNOLOGY
TOTAL	45				45			3	

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HANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 300									
001.281.0 DRAFTSMAN ARCHITECTURAL	39							20	
003.281.0 DRAFTSMAN ELECTRICAL	37							8	
003.281.1 DRAFTSMAN ELECTRONIC	12							6	
005.281.0 DRAFTSMAN CIVIL	36							10	
007.181.1 DIE DESIGNER	39							5	
007.281.0 DRAFTSMAN, MECHANICAL	186							47	
010.281.0 DRAFTSMAN, GEOLOGICAL	40							3	
017.281.0 DRAFTSMAN, MAP	20							6	
			47						160198 DRAFTING AND DESIGN
		148	26	47			160		171300 DRAFTING
TOTAL	409	148	73	47	141		160	105	
CLUSTER NO. 305									
020.188.0 BUSINESS PROGRAMMER	190							54	
213.382.1 DIGITAL COMPUTER OPERATOR	137							24	
219.388.2 PROGRAM CODER	203							44	
			73				22		160401 COMPUTER SCIENCE
TOTAL	530		73		457		22	122	

MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 310									
139.288.0 TECHNICAL PUBLICATIONS WRITER	22							6	
									160699 TECHNICAL WRITING
TOTAL	22				22			6	
CLUSTER NO. 315									
637.281.0 AIR CONDITIONING MECHANIC	167					64		43	
		138	86	96			74		170100 AIR CONDITIONING
		10		47					173000 REFRIGERATION
TOTAL	167	148	86	143	-210	64	74	43	
CLUSTER NO. 320									
827.281.0 HOUSEHOLD APPLIANCE REPAIRMAN	99							23	
		16					125		170201 APPLIANCE REPAIR
TOTAL	99	16			83		125	23	

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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 325									
807.381.0 AUTO BODY REPAIRMAN	166					46		55	
845.781.0 AUTO PAINTER	63							22	
		169	10	44			26		170301 BODY AND FENDER
TOTAL	229	169	30	44	-14	46	26	77	
CLUSTER NO. 330									
620.281.0 AUTO MECHANIC	808					141		138	
620.281.1 AUTO - AIR CONDITIONING	70							10	
		747	99	120			75		170302 AUTO MECHANICS
TOTAL	878	747	99	120	-88	141	75	148	
CLUSTER NO. 335									
185.168.0 AUTO PARTS MANAGER	40							42	
223.387.0 AUTO PARTS CLERK	149							77	
		23							
		31	9						040300 AUTOMOTIVE
									170399 AUTOMOTIVE SERVICES
TOTAL	189	54	9		126			119	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 340									
621.281.0 AIRCRAFT AND ENGINE MECHANIC	66							55	
621.281.1 JET ENGINE MECHANIC	26							7	
621.781.0 AIRCRAFT ACCESSORIES MECHANIC	29						9	4	
		72		15			2		170401 AIRCRAFT MAINTENANCE
TOTAL	121	72		15	34		11	66	
CLUSTER NO. 345									
141.081.0 ILLUSTRATOR--COMMERCIAL ARTIST	47							27	
141.081.1 LAYOUT MAN (PRINT. & PUBLISHING)	27							8	
		21	32	3					170700 COMMERCIAL ART
TOTAL	74	21	32	3	18			35	
CLUSTER NO. 350									
143.062.0 PHOTOGRAPHER OR CAMERAMAN	50							14	
		13		18					170900 COMMERCIAL PHOTOGRAPY
TOTAL	50	13		18	19			14	

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MANPOWER DEMAND AND SUPPLY
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STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 355									
741.884.0 SPRAY PAINTER	175							35	
841.781.0 PAINTER OR PAPERHANGER	146							12	
860.381.0 CARPENTER	617							169	
899.381.0 MAINTENANCE MAN, BUILDING	293							114	
			42						160197 BUILDING CONSTRUCTION
		462		10					171001 CARPENTRY
TOTAL	1,231	462	42	10	717			330	
CLUSTER NO. 360									
821.381.0 LINEMAN	79							25	
822.381.0 TELEPHONE INSTALLER	65							31	
824.281.0 ELECTRICIAN	423							98	
829.381.0 CABLE SPLICER	21							7	
		32	81	18			90		171002 ELECTRICITY
		36		16					171400 ELECTRICIAN RELATED
TOTAL	588	68	81	34	405		90	161	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 365									
515.782.0 GRINDING MILL OPERATOR (MINING)	36								
859.883.0 HEAVY EQUIPMENT OPERATOR	292					23		118	
		8		13					171003 HEAVY EQUIPMENT
TOTAL	328	8		13	307	23		118	
CLUSTER NO. 370									
844.884.0 CEMENT MASON	116							52	
861.381.0 BRICKLAYER	282							72	
		66		2					171004 MASONRY
TOTAL	398	66		2	330			124	
CLUSTER NO. 375									
862.381.0 PLUMBER AND PIPEFITTER	222							66	
		12	35	8			55		171007 PLUMBING AND PIPEFITTING
TOTAL	222	12	35	8	167		55	66	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 380									
638.281.0 MAINTENANCE MECHANIC MILLWRIGHT								23	
801.781.0 STRUCTURAL STEEL WORKER	160							47	
809.381.0 LAYOUT MAN (STRUCTURAL)	50							15	
									171099 CONSTRUCTION & MAINT. TRADE
TOTAL	210				210			85	
CLUSTER NO. 383									
638.281.0 MAINTENANCE MECHANIC MILLWRIGHT	122								
				12					171099 CONSTRUCTION & MAINT. TRADE
TOTAL	122			12	110				
CLUSTER NO. 385									
381.884.0 JANITOR	531						30	199	
		28							171100 CUSTODIAL SERVICES
TOTAL	531	28			503		30	199	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 390									
625.281.0 DIESEL MECHANIC	293					15		46	
		103	66	7					171200 DIESEL MECHANICS
TOTAL	293	103	66	7	117	15		46	
CLUSTER NO. 395									
721.281.0 ELECTRIC MOTOR REPAIRMAN	71							9	
									171403 MOTOR REPAIRMAN
TOTAL	71				71			9	
CLUSTER NO. 400									
726.781.0 ELECTRONIC ASSEMBLER	290							346	
828.281.0 ELECTRONIC MECHANIC	74							52	
		84		95					171502 ELECTRONICS
TOTAL	364	84		95	185			398	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 405									
720.281.0 RADIO AND TV REPAIRMAN	116							36	
823.281.0 RADIO MECHANIC	39							15	
			22						160191 ELEC REPAIRMAN (RADIO/TV)
		60		47					171503 RADIO/TV
TOTAL	155	60	22	47	26			51	
CLUSTER NO. 410									
361.885.0 LAUNDRY PERSONNEL	226							21	
		2	1						171600 LAUNDERING & DRY CLEANING
TOTAL	226	2	1		223			21	
CLUSTER NO. 415									
132.288.0 COPY READER	15							2	
651.782.0 CYLINDER-PRESS MAN	48							7	
651.782.1 OFFSET-PRESS MAN	105							23	
		82	43	6					171902 PRINTING
TOTAL	168	82	43	6	37			32	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 420									
518.381.0 COREMAKER	53							7	
									172301 FOUNDRY
TOTAL	53				53			7	
CLUSTER NO. 425									
600.280.0 MACHINIST	460						15	5	
600.381.0 LAYOUT MAN (MACHINE SHOP)	50							1	
601.280.0 TOOL AND DIE MAKERS	68							10	
601.280.1 TOOL MACHINE OPERATOR	75					52		3	
603.280.0 PRECISION GRINDER	78							6	
609.885.0 PRODUCTION MACHINE TOOL OPERATOR	531					39	-	34	
615.782.0 SHEAR OPERATOR	87							20	
705.884.0 BENCH GRINDER	123							9	
		129	30	66					172302 MACHINE SHOP
TOTAL	1,472	129	30	66	1,247	91	15	88	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 430									
806.781.0 AIRCRAFT-STRUCTURE ASSEMBLER	87							13	
807.684.0 AIRCRAFT SUB-ASSEMBLY ASSEMBLER	78							12	
		38							170401 AIRCRAFT MAINTENANCE
							20		172304 METAL TRADES, COMBINED
TOTAL	165	38			127		20	25	
CLUSTER NO. 435									
617.380.0 BRAKE OPERATOR	68							7	
619.380.0 METAL FABRICATOR	153							3	
804.281.0 SHEET METAL WORKER	279							51	
		38		30					172305 SHEET METAL
TOTAL	500	38		30	432			61	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 440									
810.782.0 WELDING MACHINE OPERATOR	138							17	
810.884.0 WELDER, ARC						39	19		
812.864.0 WELDER, COMBINATION	837					215	41	126	
816.782.0 FLAME CUTTER MACHINE OPERATOR	30							6	
816.884.0 FLAME CUTTER, HAND	37							8	
		258		147			99		172306 WELDING AND CUTTING
TOTAL	1,042	258		147	637	254	159	157	
CLUSTER NO. 445									
500.380.0 PLATER (ELECTRO PLATING)	30							6	
									172399 METALWORKING
TOTAL	30				30			6	
CLUSTER NO. 450									
504.782.0 HEAT TREATER	43							3	
									160114 METALURGICAL TECHNOLOGY
									172400 METALURGY
TOTAL	43				43			3	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 455									
373.884.0 FIREMAN	121		29		92			20	160602 FIRE SAFETY 172801 FIREMAN TRAINING
TOTAL	121		29		92			20	
CLUSTER NO. 460									
375.268.0 POLICEMAN	171							31	
377.868.0 DEPUTY SHERIFF	34		12		193			3	160605 POLICE SCIENCE 172802 LAW ENFORCEMENT TRAINING
TOTAL	205		12		193			34	
CLUSTER NO. 465									
168.168.0 BUILDING INSPECTOR	27				27			9	172899 PUBLIC SERVICE OCCUPATIONS
TOTAL	27				27			9	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC, REGISTR,	
CLUSTER NO. 470									
195.108.0 SOCIAL WORKER	121							59	172899 PUBLIC SERVICE OCCUPATIONS
TOTAL	121				121			59	
CLUSTER NO. 475									
195.228.0 RECREATION LEADER	75							34	172899 PUBLIC SERVICE OCCUPATIONS
TOTAL	75				75			34	
CLUSTER NO. 480									
526.781.0 BAKER	89							12	
			11						172901 BAKER
TOTAL	89		11		78			12	
CLUSTER NO. 485									
313.131.0 CHEF	55							16	
313.381.0 COOK	1,269					8		281	
		24	22						172902 COOK/CHEF
TOTAL	1,324	24	22		1,278	8		297	

MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	OESC, REGISTR,	
CLUSTER NO. 490									
316.884.0 MEAT CUTTER	240							57	
525.381.0 BUTCHER, ALL ROUND	111							28	
525.884.0 BONER OR SKINNER	45							14	
		10		12			50		172903 BUTCHER (MEAT CUTTER)
TOTAL	396	10		12	374		50	99	
CLUSTER NO. 495									
318.887.0 DISHWASHER	651							424	
									172999 QUANTITY FOOD OCCUP., OTHER
TOTAL	651				651			424	
CLUSTER NO. 500									
625.281.1 SMALL ENGINE REPAIRMAN	226							59	
		54	17	53					173100 SMALL GASOLINE ENGINE REPAIR
TOTAL	226	54	17	53	102			59	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 505									
950.782.0 STATIONARY ENGINEER	92							16	
952.782.0 POWER PLANT OPERATOR	49							9	
									173200 STATIONARY ENERGY SOURCES OCC
TOTAL	141				141			25	
CLUSTER NO. 510									
780.381.0 FURNITURE UPHOLSTERER	103							16	
		11	41	7					173500 UPHOLSTERY
TOTAL	103	11	41	7	44			16	
CLUSTER NO. 515									
660.280.0 CABINETMAKER	114							33	
669.380.0 MILLMAN	82							7	
763.381.0 FURNITURE FINISHER	87							8	
		2		25					173600 WOODWORKING
		39		23					173601 CABINET MAKING
TOTAL	283	41		48	194			48	

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MANPOWER DEMAND AND SUPPLY
FISCAL 1974-75

STATEWIDE TOTALS

CLUSTERS OF OCCUPATIONS	DEMAND	VO-TECH SUPPLY			DEMAND MINUS VO-TECH SUPPLY	OTHER SUPPLY			CLUSTERS OF PROGRAMS
		SECONDARY	POST SECONDARY	ADULT		FEDERAL	PRIVATE SCHOOLS	DESC. REGISTR.	
CLUSTER NO. 525									
706.884.0 ASSEMBLER, METAL PRODUCTS	998							140	
				40					179900 TRADE AND INDUSTRIAL OCC.
TOTAL	998			40	958			140	
CLUSTER NO. 530									
184.168.0 TRAFFIC MANAGER	51							21	
902.883.0 DUMP TRUCK DRIVER	130							24	
904.883.0 TRACTOR TRAILER TRUCK DRIVER	366							152	
905.883.0 TRUCK DRIVER (HEAVY)	475							235	
906.883.0 TRUCK DRIVER (LIGHT)	504							154	
913.463.0 BUS DRIVER	214							45	
922.383.0 FORKLIFT OPERATOR	262							59	
929.887.0 MATERIAL HANDLER	1,108							246	
		15		46			20		179901 TRUCK DRIVER
TOTAL	3,110	15		46	3,049		20	936	
CLUSTER NO. 535									
899.281.0 MAINTENANCE MAN EQUIPMENT	388							25	
									171003 HEAVY EQUIPMENT
TOTAL	388				388			25	

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CHAPTER III

A DESCENDING ORDERING OF PROGRAM CLUSTERS RANKED BY DEMAND MINUS VOCATIONAL-TECHNICAL SUPPLY

In this chapter a descending rank order of program clusters by demand minus vocational-technical supply is presented. The program cluster with the greatest net manpower demand is ranked one (1) and is followed in order by the program clusters with lesser demand.

It must be remembered that the net manpower demand figures are only projections not absolute values. Comparison of the ranks of specific clusters must be accompanied by an examination of the difference in net manpower demand between the clusters.

The rank ordering is provided as a simple analysis of the tables. It may be used to quickly identify program clusters by vocational and technical divisions in which training is needed on a statewide and/or regional basis.

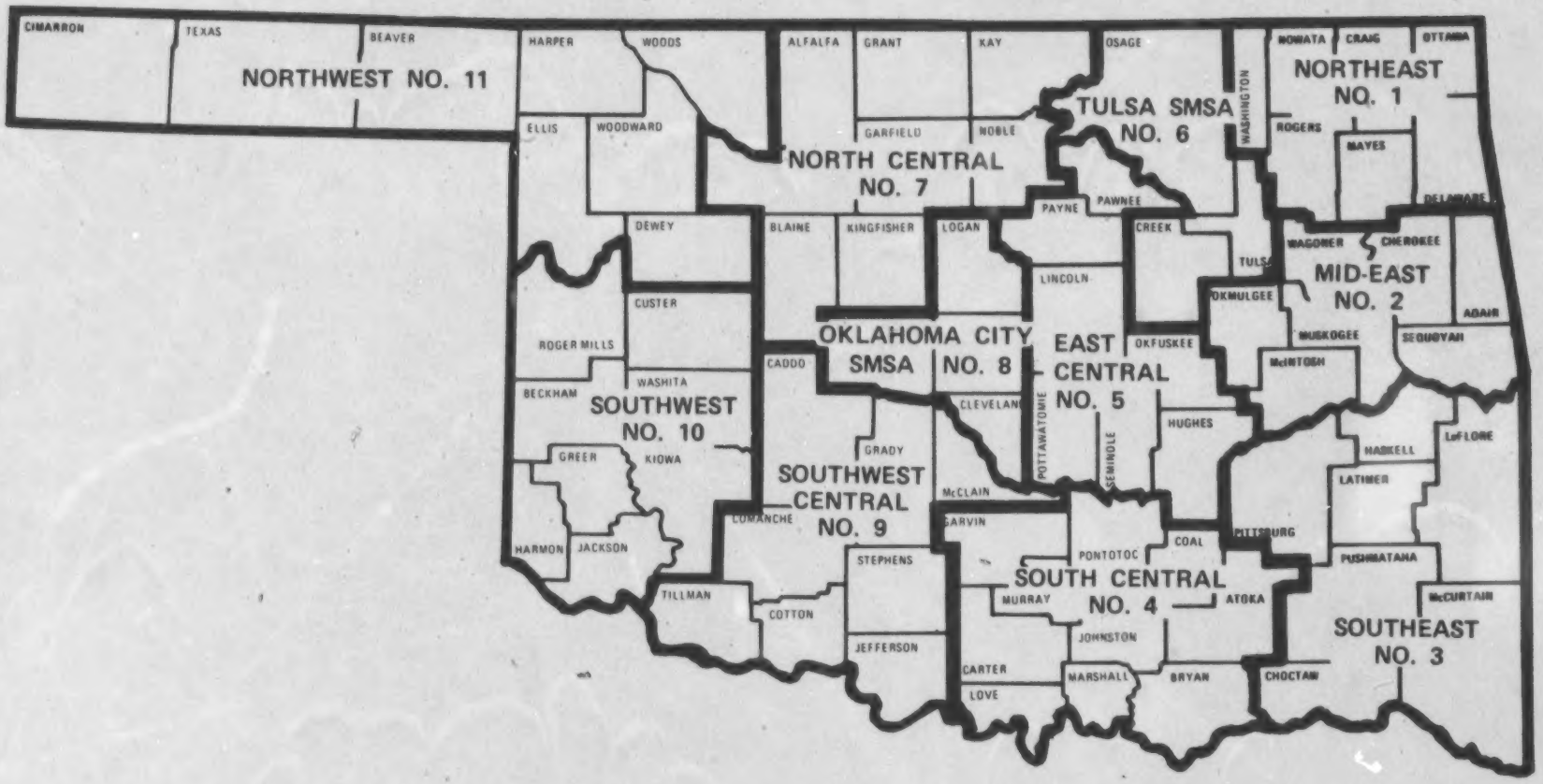

FIGURE 1: STATE PLANNING REGIONS USED IN INTERFACING

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
1	CLUSTER: 45												
	OCCUPATIONS:												
	260-289.0 SALES OCCUPATIONS (GOODS)												
	290.478.0 SALES CLERK												
	292.358.0 SALESMAN-DRIVER (ROUTEMAN)												
	915.867.0 SERVICE STATION ATTENDANT												
	PROGRAMS:												
	010200 AGRICULTURAL SUPPLIES/SERVICE												
	040200 APPAREL AND ACCESSORIES												
	040300 AUTOMOTIVE												
	040600 FOOD DISTRIBUTION												
	040800 GENERAL MERCHANDISE												
	040900 HDW. BLDG. MAT. FARM SUPPLIES & EQP												
	041000 HOME FURNISHING												
	041200 INDUSTRIAL MARKETING												
	041400 INTERNATIONAL TRADE												
	041600 PETROLEUM												
	041800 RECREATION AND TOURISM												
	042000 RETAIL TRADE												
	043100 WHOLESALE TRADE												
	090204 HOME FURNISHING SERVICES	3,517	171	253	136	146	201	833	162	1,237	202	85	91

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
2	CLUSTER: 530												
	OCCUPATIONS:												
	184.168.0 TRAFFIC MANAGER												
	902.883.0 DUMP TRUCK DRIVER												
	904.883.0 TRACTOR TRAILER TRUCK DRIVER												
	905.883.0 TRUCK DRIVER (HEAVY)												
	906.883.0 TRUCK DRIVER (LIGHT)												
	913.463.0 BUS DRIVER												
	922.883.0 FORKLIFT OPERATOR												
	929.887.0 MATERIAL HANDLER												
	PROGRAMS:												
	179901 TRUCK DRIVER	3,049	202	150	103	125	186	823	151	982	178	94	55

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
3	CLUSTER: 220												
	OCCUPATIONS:												
	160.288.0 COST ESTIMATOR												
	165.288.0 CLAIMS EXAMINER												
	186.168.0 BANK CASHIER												
	209.388.1 STATEMENT CLERK												
	210.382.0 BOOKKEEPER												
	211.368.0 CASHIER												
	212.368.0 BANKING TELLER												
	215.388.0 BOOKKEEPING MACHINE OPERATOR												
	215.488.0 PAYROLL CLERK												
	217.388.0 TRANSIT CLERK												
	219.488.0 ACCOUNTING CLERK												
	249.368.0 CREDIT CLERK												
	249.368.1 CLAIMS CLERK (INSURANCE)												
	249.368.2 NEW ACCOUNT CLERK												
	PROGRAMS:												
	140100 ACCOUNTING AND COMPUTING	3,024	148	140	93	125	146	792	164	1,102	195	70	49
4	CLUSTER: 230												
	OCCUPATIONS:												
	209.388.0 CLERK-TYPIST												
	219.388.3 GENERAL OFFICE CLERK												
	237.368.0 ADMITTING CLERK												
	249.388.0 LOAN CLOSER												
	PROGRAMS:												
	140300 GENERAL OFFICE CLERICAL OCCUP.												
	140900 TYPING & RELATE OCCUPATIONS	2,063	44	39	72	45	125	725	95	773	71	50	24

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
5	CLUSTER: 205												
	OCCUPATIONS:												
	781.884.0 CUTTER (HAND OR MACHINE)												
	785.381.0 SEAMSTRESS OR TAILOR												
	786.782.0 SEWING MACHINE OPERATOR												
	PROGRAMS:												
	090202 CLOTHING MGMT. PROD. & SERVICE												
	090204 HOME FURNISHING SERVICES												
	173302 TAILORING	1,951	179	64	126	213	304	114	169	225	218	106	233
6	CLUSTER: 250												
	OCCUPATIONS:												
	201.368.0 SECRETARY												
	202.388.0 STENOGRAPHER												
	PROGRAMS:												
	140700 SECRETARY OR STENOGRAPHER	1,617	36	56	32	56	85	483	55	708	34	50	22

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
7	CLUSTER: 50												
	OCCUPATIONS:												
	310.868.0 HOSTESS												
	311.878.0 WAITRESS OR WAITER												
	319.138.0 FOOD SERVICE SUPERVISOR												
	PROGRAMS:												
	040700 FOOD SERVICES												
	090203 FOOD MANAGEMENT PROD. & SERVICE												
	172900 OTHER FOOD OCCUPATIONS												
	172904 WAITER OR WAITRESS	1,597	97	201	94	94	100	290	116	338	130	78	59
8	CLUSTER: 485												
	OCCUPATIONS:												
	313.131.0 CHEF												
	313.381.0 COOK												
	PROGRAMS:												
	172902 COOK/CHEF	1,278	44	75	36	63	31	341	72	481	80	36	19

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
9	CLUSTER: 425												
	OCCUPATIONS:												
	600.280.0 MACHINIST												
	600.381.0 LAYOUT MAN (MACHINE SHOP)												
	601.280.0 TOOL AND DIE MAKERS												
	601.280.1 TOOL MACHINE OPERATOR												
	603.280.0 PRECISION GRINDER												
	609.885.0 PRODUCTION MACHINE TOOL OPERATOR												
	615.782.0 SHEAR OPERATOR												
	705.884.0 BENCH GRINDER												
	PROGRAMS:												
	172302 MACHINE SHOP	1,247	195	74	23	50	85	426	132	238	13	7	4
10	CLUSTER: 110												
	OCCUPATIONS:												
	355.878.0 NURSE AIDE												
	PROGRAMS:												
	070303 NURSE ASST. (AID/ORDERLY)	1,216	11	90	46	136	101	290	53	313	62	60	54
11	CLUSTER: 525												
	OCCUPATIONS:												
	706.884.0 ASSEMBLER, METAL PRODUCTS												
	PROGRAMS:												
	179900 TRADE AND INDUSTRIAL OCC.	958	195	26	9	8	54	235	221	153	65	-13	5

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
12	CLUSTER: 355												
	OCCUPATIONS:												
	741.884.0 SPRAY PAINTER												
	841.781.0 PAINTER OR PAPERHANGER												
	860.381.0 CARPENTER												
	899.381.0 MAINTENANCE MAN, BUILDING												
	PROGRAMS:												
	160197 BUILDING CONSTRUCTION												
	171001 CARPENTRY	717	-8	-33	-29	16	25	245	70	353	54	17	7
13	CLUSTER: 495												
	OCCUPATIONS:												
	318.887.0 DISHWASHER												
	PROGRAMS:												
	172999 QUANTITY FOOD OCCUP., OTHER	651	32	40	23	27	30	175	29	226	41	17	11

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
14	CLUSTER: 440												
	OCCUPATIONS:												
	810.782.0 WELDING MACHINE OPERATOR												
	810.884.0 WELDER, ARC												
	812.884.0 WELDER, COMBINATION												
	816.782.0 FLAME CUTTER MACHINE OPERATOR												
	816.884.0 FLAME CUTTER, HAND												
	PROGRAMS:												
	172306 WELDING AND CUTTING	637	28	64	33	21	14	310	64	63	6	13	21
15	CLUSTER: 210												
	OCCUPATIONS:												
	321.138.0 HOUSEKEEPER												
	PROGRAMS:												
	090205 INSTITUTIONAL & HOME MGMT. SERV	547	18	40	15	19	30	159	18	177	36	22	13
16	CLUSTER: 385												
	OCCUPATIONS:												
	382.884.0 JANITOR												
	PROGRAMS:												
	171100 CUSTODIAL SERVICES	503	24	28	16	23	21	151	26	168	30	11	5

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
17	CLUSTER: 240												
	OCCUPATIONS:												
	232.368.0 POST OFFICE CLERK												
	233.388.0 MAIL CARRIER												
	PROGRAMS:												
	140403 MAIL AND POSTAL CLERKS	462	17	25	10	11	13	133	12	204	23	10	4
18	CLUSTER: 305												
	OCCUPATIONS:												
	020.188.0 BUSINESS PROGRAMMER												
	213.382.1 DIGITAL COMPUTER OPERATOR												
	219.388.2 PROGRAM CODER												
	PROGRAMS:												
	160401 COMPUTER SCIENCE	457	12	-7	-2	4	8	217	11	210	3	1	
19	CLUSTER: 435												
	OCCUPATIONS:												
	617.380.0 BRAKE OPERATOR												
	619.380.0 METAL FABRICATOR												
	804.281.0 SHEET METAL WORKER												
	PROGRAMS:												
	172305 SHEET METAL	432	41	15	15	20	30	140	29	111	24	3	4

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
20	CLUSTER: 360												
	OCCUPATIONS:												
	821.381.0 LINEMAN												
	822.381.0 TELEPHONE INSTALLER												
	824.261.0 ELECTRICIAN												
	829.381.0 CABLE SPLICER												
	PROGRAMS:												
	171002 ELECTRICITY												
	171400 ELECTRICIAN RELATED	405	9	8	20	29	25	72	30	144	41	18	9
21	CLUSTER: 25												
	OCCUPATIONS:												
	142.081.0 FLORAL DESIGN												
	405.188.0 GREENHOUSE MAN												
	407.884.0 GROUNDS KEEPER												
	PROGRAMS:												
	010500 ORNAMENTAL HORTICULTURE												
	040500 FLORISTRY	398	15	45	9	40	14	88	36	110	23	8	10
22	CLUSTER: 535												
	OCCUPATIONS:												
	899.281.0 MAINTENANCE MAN EQUIPMENT	388	34	16	19	21	23	113	26	89	29	11	7

020

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
23	CLUSTER: 490												
	OCCUPATIONS:												
	316.884.0 MEAT CUTTER												
	525.381.0 BUTCHER, ALL ROUND												
	525.884.0 BONER OR SKINNER												
	PROGRAMS:												
	172903 BUTCHER (MEAT CUTTER)	374	11	28	12	21	12	88	14	165	18	-4	9
24	CLUSTER: 370												
	OCCUPATIONS:												
	844.884.0 CEMENT MASON												
	861.381.0 BRICKLAYER												
	PROGRAMS:												
	171004 MASONRY	330	16	-22	25	21	23	72	26	98	29	20	22
25	CLUSTER: 60												
	OCCUPATIONS:												
	165.168.0 SPECIAL AGENT												
	169.168.0 UNDERWRITER												
	241.168.0 CLAIM ADJUSTER												
	250.258.0 INSURANCE SALESMAN												
	PROGRAMS:												
	041300 INSURANCE	318	16	10	5	9	10	88	15	147	12	5	1

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
26	CLUSTER: 365												
	OCCUPATIONS:												
	515.782.0 GRINDING MILL OPERATOR (MINING)												
	859.883.0 HEAVY EQUIPMENT OPERATOR												
	PROGRAMS:												
	171003 HEAVY EQUIPMENT	307	12	17	16	24	21	59	24	96	22	9	7
27	CLUSTER: 235												
	OCCUPATIONS:												
	235.862.0 TELEPHONE OPERATOR												
	PROGRAMS:												
	140400 INFORM. COMMUNICATIONS OCCUP.	285	19	24	10	14	15	59	16	111	25	-12	4
28	CLUSTER: 30												
	OCCUPATIONS:												
	252.358.0 SERVICE SALESMAN												
	PROGRAMS:												
	040100 ADVERTISING SERVICES												
	040400 FINANCE AND CREDIT	275	20	24	11	8	11	71	10	100	12	4	4

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
29	CLUSTER: 225												
	OCCUPATIONS:												
	213.000.0 DATA ENTRY EQUIPMENT OPERATOR												
	PROGRAMS:												
	140200 BUSINESS DATA PROCESSING	261	46	14	8	-5	6	82	-4	120	-11	5	
30	CLUSTER: 105												
	OCCUPATIONS:												
	079.378.0 LICENSED PRACTICAL NURSE (L.P.N.)												
	PROGRAMS:												
	070302 PRACTICAL (VOC) NURSING	237	-20	3	5	57	36	67	18	36	23		12
31	CLUSTER: 410												
	OCCUPATIONS:												
	361.885.0 LAUNDRY PERSONNEL												
	PROGRAMS:												
	171600 LAUNDERING & DRY CLEANING	223	10	12	8	13	13	48	14	61	21	14	9

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
32	CLUSTER: 55												
	OCCUPATIONS:												
	242.368.0 HOTEL CLERK												
	PROGRAMS:												
	041100 HOTEL AND LODGING	220	9	16	7	8	10	53	10	79	12	11	5
33	CLUSTER: 380												
	OCCUPATIONS:												
	638.281.0 MAINTENANCE MECHANIC MILLWRIGHT												
	801.781.0 STRUCTURAL STEEL WORKER												
	809.381.0 LAYOUT MAN (STRUCTURAL)												
	PROGRAMS:												
	171099 CONSTRUCTION & MAINT. TRADE	210	20	8	9	6	27	53	12	65	7	2	1
34	CLUSTER: 100												
	OCCUPATIONS:												
	075.378.0 REGISTERED NURSE BACC,DIPL,ASSOC												
	PROGRAMS:												
	070299 NURSING (BACCALAUREATE)												
	070300 NURSING (DIPLOMA PROGRAM)												
	070301 NURSING (ASSOCIATE DEGREE)	203	21	20	17	1	14	25	22	10	16	26	31

074

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
35	CLUSTER: 215												
	OCCUPATIONS:												
	359.878.1 TEACHER AIDE	202	9	14	11	16	17	31	17	48	23	10	6
36	CLUSTER: 75												
	OCCUPATIONS:												
	189.168.0 MANAGER, TRAINEE												
	PROGRAMS:												
	049901 MID MANAGEMENT	196	-29	24	5	10	17	56	7	89	17	-5	5
37	CLUSTER: 515												
	OCCUPATIONS:												
	660.280.0 CABINETMAKER												
	669.380.0 MILLMAN												
	763.381.0 FURNITURE FINISHER												
	PROGRAMS:												
	173600 WOODWORKING												
	173601 CABINET MAKING	194	10	-3	-7	22	7	46	10	66	16	24	3
39	CLUSTER: 460												
	OCCUPATIONS:												
	375.268.0 POLICEMAN												
	377.868.0 DEPUTY SHERIFF												
	PROGRAMS:												
	180605 POLICE SCIENCE												
	172802 LAW ENFORCEMENT TRAINING	193	8	13	4	10	8	58	8	69	10	3	2

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY*	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
39	CLUSTER: 20												
	OCCUPATIONS:												
	466.887.0 LIVESTOCK CARETAKER												
	919.887.0 YARDMAN												
	PROGRAMS:												
	010400 AGRICULTURAL PRODUCTS	189	1	5	63	7		21	12	45	5	16	14
40	CLUSTER: 400												
	OCCUPATIONS:												
	726.781.0 ELECTRONIC ASSEMBLER												
	828.281.0 ELECTRONIC MECHANIC												
	PROGRAMS:												
	171502 ELECTRONICS	185	21	31	28	37	16	5	-1	42	1	5	
41	CLUSTER: 245												
	OCCUPATIONS:												
	205.368.0 PERSONNEL CLERK												
	PROGRAMS:												
	140600 PERSONNEL, TRAINING & RELATED	181	9	7	3	5	11	52	5	74	10	3	2

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
42	CLUSTER: 185												
	OCCUPATIONS:												
	219.388.1 WARD CLERK												
	PROGRAMS:												
	079902 WARD CLERK	177	9	12	4	16	13	41	5	59	9	4	5
43	CLUSTER: 290												
	OCCUPATIONS:												
	007.181.0 MECHANICAL ENGINEERING TECH												
	019.281.0 QUALITY CONTROL TECHNICIAN												
	PROGRAMS:												
	160113 MECHANICAL TECHNOLOGY	171	-5	2	1	6	7	51	10	93	3	2	1
44	CLUSTER: 375												
	OCCUPATIONS:												
	862.381.0 PLUMBER AND PIPEFITTER												
	PROGRAMS:												
	171007 PLUMBING AND PIPEFITTING	167	11	1	11	10	20	16	16	45	18	12	7

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
45	CLUSTER: 300												
	OCCUPATIONS:												
	001.281.0 DRAFTSMAN ARCHITECTURAL												
	003.281.0 DRAFTSMAN ELECTRICAL												
	003.281.1 DRAFTSMAN ELECTRONIC												
	005.281.0 DRAFTSMAN CIVIL												
	007.181.1 DIE DESIGNER												
	007.281.0 DRAFTSMAN, MECHANICAL												
	010.281.0 DRAFTSMAN, GEOLOGICAL												
	017.281.0 DRAFTSMAN, MAP												
	PROGRAMS:												
	160198 DRAFTING AND DESIGN												
	171300 DRAFTING	141	-6	-8	-13	-2	-4	69	5	138	-40	1	1
45	CLUSTER: 505												
	OCCUPATIONS:												
	950.782.0 STATIONARY ENGINEER												
	952.782.0 POWER PLANT OPERATOR												
	PROGRAMS:												
	173200 STATIONARY ENERGY SOURCES OCC	141	9	10	5	3	7	34	10	47	12	3	1

820

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
47	CLUSTER: 265												
	OCCUPATIONS:												
	005.181.0 CIVIL ENGINEERING TECHNICIAN												
	018.188.0 SURVEYOR												
	PROGRAMS:												
	160106 CIVIL TECHNOLOGY	137	4	3	4	9	7	36	6	55	9	4	
48	CLUSTER: 430												
	OCCUPATIONS:												
	806.781.0 AIRCRAFT-STRUCTURE ASSEMBLER												
	807.884.0 AIRCRAFT SUB-ASSEMBLY ASSEMBLER												
	PROGRAMS:												
	170401 AIRCRAFT MAINTENANCE												
	172304 METAL TRADES, COMBINED	127		-2				34	-3	83	-9		
49	CLUSTER: 335												
	OCCUPATIONS:												
	185.168.0 AUTO PARTS MANAGER												
	223.387.0 AUTO PARTS CLERK												
	PROGRAMS:												
	040300 AUTOMOTIVE												
	170399 AUTOMOTIVE SERVICES	126	4	6	1	5	6	21	2	73	10	-6	8

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
50	CLUSTER: 470												
	OCCUPATIONS:												
	195.108.0 SOCIAL WORKER												
	PROGRAMS:												
	172899 PUBLIC SERVICE OCCUPATIONS	121	3	10	13	9	8	17	4	39	12	4	2
51	CLUSTER: 390												
	OCCUPATIONS:												
	625.281.0 DIESEL MECHANIC												
	PROGRAMS:												
	171200 DIESEL MECHANICS	117	10	14	9	4	12	33	-1	47	-12	9	-8
52	CLUSTER: 200												
	OCCUPATIONS:												
	359.878.0 NURSERY SCHOOL ATTENDANT												
	PROGRAMS:												
	090201 CARE AND GUIDANCE OF CHILDREN	111	-2	10	-1	8	7	36	11	35	9	-6	4

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
53	CLUSTER: 383												
	OCCUPATIONS:												
	638.281.0 MAINTENANCE MECHANIC MILLWRIGHT												
	PROGRAMS:												
	171099 CONSTRUCTION & MAINT. TRADE	110	18	11	14	8	3	15	11	25	2	3	
54	CLUSTER: 500												
	OCCUPATIONS:												
	625.281.1 SMALL ENGINE REPAIRMAN												
	PROGRAMS:												
	173100 SMALL GASOLINE ENGINE REPAIR	102	6	-2	7	8	-6	41	2	57	-15	3	1
55	CLUSTER: 270												
	OCCUPATIONS:												
	003.181.0 ELECTRONICS TECHNICIAN												
	003.181.1 ELECTRICAL TECHNICIAN												
	PROGRAMS:												
	160107 ELECTRICITY												
	160108 ELECTRONIC TECHNOLOGY	100	13	-1	-4	1	-23	65	-2	59	-5	-3	

A DESCENDING ORDERING OF PROGRAM CLUSTERS

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RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
56	CLUSTER: 260												
	OCCUPATIONS:												
	029.281.0 LABORATORY TESTER												
	PROGRAMS:												
	160105 CHEMICAL TECHNOLOGY	97	6	4	2	5	8	27	16	19	6	3	1
57	CLUSTER: 455												
	OCCUPATIONS:												
	373.884.0 FIREMAN												
	PROGRAMS:												
	160602 FIRE SAFETY												
	172801 FIREMAN TRAINING	92	4	5	2	5	-14	30	5	45	7	2	1
58	CLUSTER: 320												
	OCCUPATIONS:												
	827.281.0 HOUSEHOLD APPLIANCE REPAIRMAN												
	PROGRAMS:												
	170201 APPLIANCE REPAIR	83	4	7	4	3	2	22	7	25	5	3	1
59	CLUSTER: 480												
	OCCUPATIONS:												
	526.781.0 BAKER												
	PROGRAMS:												
	172901 BAKER	78	3		2	7	4	18	5	29	7	2	1

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
60	CLUSTER: 10												
	OCCUPATIONS:												
	162.158.0 BUYER (WHOLESALE/ RETAIL AGRI)												
	520.885.0 FEED/FERTILIIER MIXER												
	PROGRAMS:												
	010200 AGRICULTURAL SUPPLIES/SERV-ICE	76	6	6		4	1	10	13	32	8	-3	-1
61	CLUSTER: 120												
	OCCUPATIONS:												
	079.378.2 SURGICAL TECHNICIAN												
	PROGRAMS:												
	070305 SURGICAL TECHNICIAN	75	1	8	3	5	7	17	3	15	8	4	4
51	CLUSTER: 475												
	OCCUPATIONS:												
	195.228.0 RECREATION LEADER												
	PROGRAMS:												
	172899 PUBLIC SERVICE OCCUPATIONS	75	4	6	3	7	7	13	6	19	5	3	2

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
63	CLUSTER: 395												
	OCCUPATIONS:												
	721.281.0 ELECTRIC MOTOR REPAIRMAN												
	PROGRAMS:												
	171403 MOTOR REPAIRMAN	71	4	6	3	2	4	18	3	27	2	1	1
64	CLUSTER: 115												
	OCCUPATIONS:												
	355.878.1 PSYCHIATRIC AIDE												
	PROGRAMS:												
	070304 PSYCHIATRIC AID	70	24					3		16			27
65	CLUSTER: 5												
	OCCUPATIONS:												
	180.118.0 FIELDMAN												
	404.887.0 PRUNER--PICKER												
	409.168.0 FARM MANAGER												
	413.181.0 FEEDLOT WORKER												
	421.883.0 FARM HAND, GENERAL												
	PROGRAMS:												
	010100 AGRICULTURAL PRODUCTION	61	29	49	24	-23	-69	8	73	-21	-35	27	-1

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A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
66	CLUSTER: 180												
	OCCUPATIONS:												
	249.388.1 MEDICAL RECORD CLERK												
	PROGRAMS:												
	079901 MEDICAL RECORD CLERK	55	5	6	1	7	6	8	3	9	6	3	1
67	CLUSTER: 80												
	OCCUPATIONS:												
	079.378.1 DENTAL OFFICE ASSISTANT												
	PROGRAMS:												
	070101 DENTAL ASSISTING	53	7	8	5	9	10	6	-2	-2	4	5	3
67	CLUSTER: 420												
	OCCUPATIONS:												
	518.381.0 COREMAKER												
	PROGRAMS:												
	172301 FOUNDRY	53	22	3		2	1	11	9	5			
69	CLUSTER: 196												
	OCCUPATIONS:												
	712.381.0 DENTAL LABORATORY TECHNICIAN	52	1	2		1	2	23	1	21	1		

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
70	CLUSTER: 280												
	OCCUPATIONS:												
	012.288.0 INDUSTRIAL ENGINEERING TECH.												
	PROGRAMS:												
	160111 INDUSTRIAL TECHNOLOGY	49	3	1	1	1	2	18	1	18	4		
71	CLUSTER: 295												
	OCCUPATIONS:												
	542.280.0 STILLMAN (PETROLEUM REFINING)												
	549.380.0 PUMPMAN (PETROLEUM REFINING)												
	PROGRAMS:												
	160116 PETROLEUM TECHNOLOGY	45	3			7		14	10	5	2	3	1
72	CLUSTER: 510												
	OCCUPATIONS:												
	780.381.0 FURNITURE UPHOLSTERER												
	PROGRAMS:												
	173500 UPHOLSTERY	44	11	-13	5	19	4	9	6	8	-8	2	1

980

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
73	CLUSTER: 450												
	OCCUPATIONS:												
	504.782.0 HEAT TREATER												
	PROGRAMS:												
	160114 METALURGICAL TECHNOLOGY												
	172400 METALURGY	43	9	5		2		13	5	8	1		
74	CLUSTER: 35												
	OCCUPATIONS:												
	165.068.0 PUBLIC RELATIONS												
	PROGRAMS:												
	040100 ADVERTISING SERVICES	41	1		1	1	1	12	1	21	2	1	
75	CLUSTER: 90												
	OCCUPATIONS:												
	078.381.0 MEDICAL LABORATORY ASSISTANT												
	PROGRAMS:												
	070203 MEDICAL LABORATORY ASSISTING	40	3	7	5	4	-1	17	-4	7	11	-12	3

280

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
75	CLUSTER: 285												
	OCCUPATIONS:												
	710.281.0 INSTRUMENT REPAIRMAN												
	PROGRAMS:												
	160112 INSTRUMENTATION TECHNOLOGY												
	172100 INSTRUMENT MAINT. & REPAIR	39	3	1	1	1	3	20	2	4	2	2	
76	CLUSTER: 165												
	OCCUPATIONS:												
	223.887.0 CENTRAL SUPPLY WORKER												
	PROGRAMS:												
	070905 CENTRAL SUPPLY TECHNICIAN	38	1	2	1	1	2	10	2	13	4	2	
77	CLUSTER: 130												
	OCCUPATIONS:												
	355.878.2 PHYSICAL THERAPIST AIDE												
	PROGRAMS:												
	070402 PHYSICAL THERAPY ASST. (AID)	37	4	3	1	3	3	6	3	4	5	3	2

880

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
77	CLUSTER: 415												
	OCCUPATIONS:												
	132.288.0 COPY READER												
	651.782.0 CYLINDER-PRESS MAN												
	651.782.1 OFFSET-PRESS MAN												
	PROGRAMS:												
	171902 PRINTING	37	6	9	3	3	-1	-5	1	29	-10	1	1
78	CLUSTER: 340												
	OCCUPATIONS:												
	621.281.0 AIRCRAFT AND ENGINE MECHANIC												
	621.281.1 JET ENGINE MECHANIC												
	621.781.0 AIRCRAFT ACCESSORIES MECHANIC												
	PROGRAMS:												
	170401 AIRCRAFT MAINTENANCE	34	1	-2	1	2	-10	18	10	16	-1		-1
79	CLUSTER: 175												
	OCCUPATIONS:												
	079.378.5 COMMUNITY MENTAL HEALTH WORKER												
	PROGRAMS:												
	070915 COMMUNITY MENTAL HEALTH	31	1	4	5	3	2	13	-8	8	2	1	

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
79	CLUSTER: 65												
	OCCUPATIONS:												
	191.287.0 REAL ESTATE APPRAISER												
	PROGRAMS:												
	041700 REAL ESTATE	31	2	2	2	1	3	5	2	11	2	1	
80	CLUSTER: 198												
	OCCUPATIONS:												
	074.378.0 PHARMACY ASSISTANT	30	3	4	1	2	2	5	2	8	2	1	
80	CLUSTER: 445												
	OCCUPATIONS:												
	500.380.0 PLATER (ELECTRO PLATING)												
	PROGRAMS:												
	172399 METALWORKING	30		3			2	12		11	2		
81	CLUSTER: 160												
	OCCUPATIONS:												
	079.368.2 MEDICAL OFFICE ASSISTANT												
	PROGRAMS:												
	070904 MEDICAL OFFICE ASSISTANT												
	070914 MEDICAL ASSISTANT	28	7	5	4	6	2	4	-4	12	-13	2	3

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND M. JS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
82	CLUSTER: 465												
	OCCUPATIONS:												
	168.168.0 BUILDING INSPECTOR												
	PROGRAMS:												
	172899 PUBLIC SERVICE OCCUPATIONS	27	2	2	1	1	2	6	2	7	3	1	
83	CLUSTER: 405												
	OCCUPATIONS:												
	720.281.0 RADIO AND TV REPAIRMAN												
	823.281.0 RADIO MECHANIC												
	PROGRAMS:												
	160191 ELEC REPAIRMAN (RADIO/TV)												
	171503 RADIO/TV	26	-9	5	3	1	5	16		7	-10	4	4
84	CLUSTER: 310												
	OCCUPATIONS:												
	139.288.0 TECHNICAL PUBLICATIONS WRITER												
	PROGRAMS:												
	160699 TECHNICAL WRITING	22	1					8		13			

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
85	CLUSTER: 350												
	OCCUPATIONS:												
	143.062.0 PHOTOGRAPHER OR CAMERAMAN												
	PROGRAMS:												
	170900 COMMERCIAL PHOTOGRAPHY	19	-9		1	1	2	4	1	22	-1	-2	
86	CLUSTER: 150												
	OCCUPATIONS:												
	078.368.1 E.K.G. TECHNICIAN												
	PROGRAMS:												
	070902 E.K.G. TECHNICIAN	18		2	1	1	1	3	1	7	1	1	
86	CLUSTER: 190												
	OCCUPATIONS:												
	079.378.4 DIETARY TECHNICIAN												
	PROGRAMS:												
	079911 DIETARY TECHNICIAN	18	3	3				6	1	2	2		1

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
86	CLUSTER: 345												
	OCCUPATIONS:												
	141.081.0 ILLUSTRATOR--COMMERCIAL ARTIST												
	141.081.1 LAYOUT MAN (PRINT. & PUBLISHING)												
	PROGRAMS:												
	170700 COMMERCIAL ART	18	2	2		1		-3		26	-10		
89	CLUSTER: 85												
	OCCUPATIONS:												
	078.368.3 DENTAL HYGIENIST												
	PROGRAMS:												
	070102 DENTAL HYGIENIST (ASSOC)	17	1	2	1	3	3	4	2	-3	2	1	1
90	CLUSTER: 40												
	OCCUPATIONS:												
	132.088.0 COPY WRITER												
	PROGRAMS:												
	040100 ADVERTISING SERVICES	14	1	1			1	3	1	6	1		

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
91	CLUSTER: 135												
	OCCUPATIONS:												
	078.368.2 RADIOLOGIC TECHNOLOGIST												
	PROGRAMS:												
	070501 RADIOLOGIC TECH. (X-RAY)	10	3	5	2	3	4	-1	3	-6	5	-9	1
92	CLUSTER: 95												
	OCCUPATIONS:												
	100.388.0 MEDICAL RECORD LIBRARIAN												
	PROGRAMS:												
	070210 MEDICAL RECORD TECHNICIAN	8	1	1	1	1	1	1	2	1	-2	1	
92	CLUSTER: 275												
	OCCUPATIONS:												
	638.281.0 MAINTENANCE MECHANIC MILLWRIGHT												
	710.281.1 ELECTROMECHANICAL TECHNICIAN												
	PROGRAMS:												
	160109 ELECTROMECHANIC TECHNOLOGY	8	4	5	1	-2	4	-15		10		1	

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
94	CLUSTER: 145												
	OCCUPATIONS:												
	078.368.0 E.E.G. TECHNICIAN												
	PROGRAMS:												
	070901 E.E.G. TECHNICIAN	7		2			1	2		2			
95	CLUSTER: 125												
	OCCUPATIONS:												
	079.368.1 OCCUPATIONAL THERAPIST AIDE												
	PROGRAMS:												
	070401 OCCUPATIONAL THERAPY ASST.	1	1		-5			4	1	-1			1
95	CLUSTER: 195												
	OCCUPATIONS:												
	729.281.0 BIOMEDICAL ELECT. EQUIPMENT TECH.												
	PROGRAMS:												
	079921 BIOMEDICAL ELECTRONIC EQUIP. TEC	1		1				2		-2			

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	*DEMAND * MINUS *VO-TECH *SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
97	CLUSTER: 140												
	OCCUPATIONS:												
	079.378.3 ENVIRONMENTAL HEALTH TECH.												
	PROGRAMS:												
	070721 ENVIRONMENTAL HEALTH TECH	0						-2		2			
97	CLUSTER: 170												
	OCCUPATIONS:												
	355.878.4 MEDICAL EMERGENCY TECHNICIAN												
	PROGRAMS:												
	070907 MEDICAL EMERGENCY TECH.	0	-14	2	4	7	2	4	1	-6			
99	CLUSTER: 153												
	OCCUPATIONS:												
	079.368.0 INHALATION THERAPIST												
	PROGRAMS:												
	070903 INHALATION THERAPY TECH.	-3	3	3	2	2	4	10	3	-37	6	1	

960

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
100	CLUSTER: 70												
	OCCUPATIONS:												
	162.158.1 PURCHASING AGENT												
	PROGRAMS:												
	049900 DISTRIBUTIVE EDUCATION,OTHER	-5	-10	1	1		-7	18	-3	3	1	-9	
100	CLUSTER: 197												
	OCCUPATIONS:												
	078.381.1 NUCLEAR MEDICINE TECHNOLOGIST												
	PROGRAMS:												
	070503 NUCLEAR MED TECHOLOGY	-5		1		1	-11	2		2			
102	CLUSTER: 255												
	OCCUPATIONS:												
	162.288.0 TITLE CLERK												
	PROGRAMS:												
	140800 SUPERVISORY & ADMIN. MGMT.	-12		-5	-17	-5		4		10	2		

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
103	CLUSTER: 325												
	OCCUPATIONS:												
	807.381.0 AUTO BODY REPAIRMAN												
	845.781.0 AUTO PAINTER												
	PROGRAMS:												
	170301 BODY AND FENDER	-14	-43	-5	-3	-8	11	29		22	-16	-4	3
104	CLUSTER: 330												
	OCCUPATIONS:												
	620.281.0 AUTO MECHANIC												
	620.281.1 AUTO - AIR CONDITIONING												
	PROGRAMS:												
	170302 AUTO MECHANICS	-88	-57	-11	-13	-13	-1	44	-4	69	-103	3	-2
105	CLUSTER: 315												
	OCCUPATIONS:												
	637.261.0 AIR CONDITIONING MECHANIC												
	PROGRAMS:												
	170100 AIR CONDITIONING												
	173000 REFRIGERATION	-210	-22	-43	-19	-9	3	-39	-8	-17	-42	-12	-2

A DESCENDING ORDERING OF PROGRAM CLUSTERS

RANKED BY DEMAND MINUS VO-TECH SUPPLY

RANK	PROGRAM CLUSTERS	DEMAND MINUS VO-TECH SUPPLY	N. E. #1	M. E. #2	S. E. #3	S. C. #4	E. C. #5	TULSA SMSA #6	N. C. #7	OKLA. CITY SMSA #8	S.W.C. #9	S. W. #10	N. W. #11
106	CLUSTER: 15												
	OCCUPATIONS:												
	599.885.0 MILL OPERATOR												
	624.281.0 AGRICULTURAL MECHANIC												
	PROGRAMS:												
	010300 AGRICULTURAL MECHANICS												
	179902 FARM MACHINERY REPAIR	-359	-33	-62	-78	-43	-47	-15	-13	-13	-10	-30	-15

APPENDIX A

Oklahoma State Department of
Vocational and Technical Education
1515 W. 6TH Stillwater, Oklahoma 74074
Student Status Report-Due October 1

Division:
Voc. Class:
School:
Date:

	Soc. Sec. No.	Alpha Letter	Student Name	Occ. Obj. Code	Voc. Class
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

NOTE:
All students who are not on this printout but are enrolled in your program this year should be recorded on the enrollment form (SAS-1).

As the armed forces is voluntary, consider former students who are now in the armed forces as being employed.

INSTRUCTIONS:

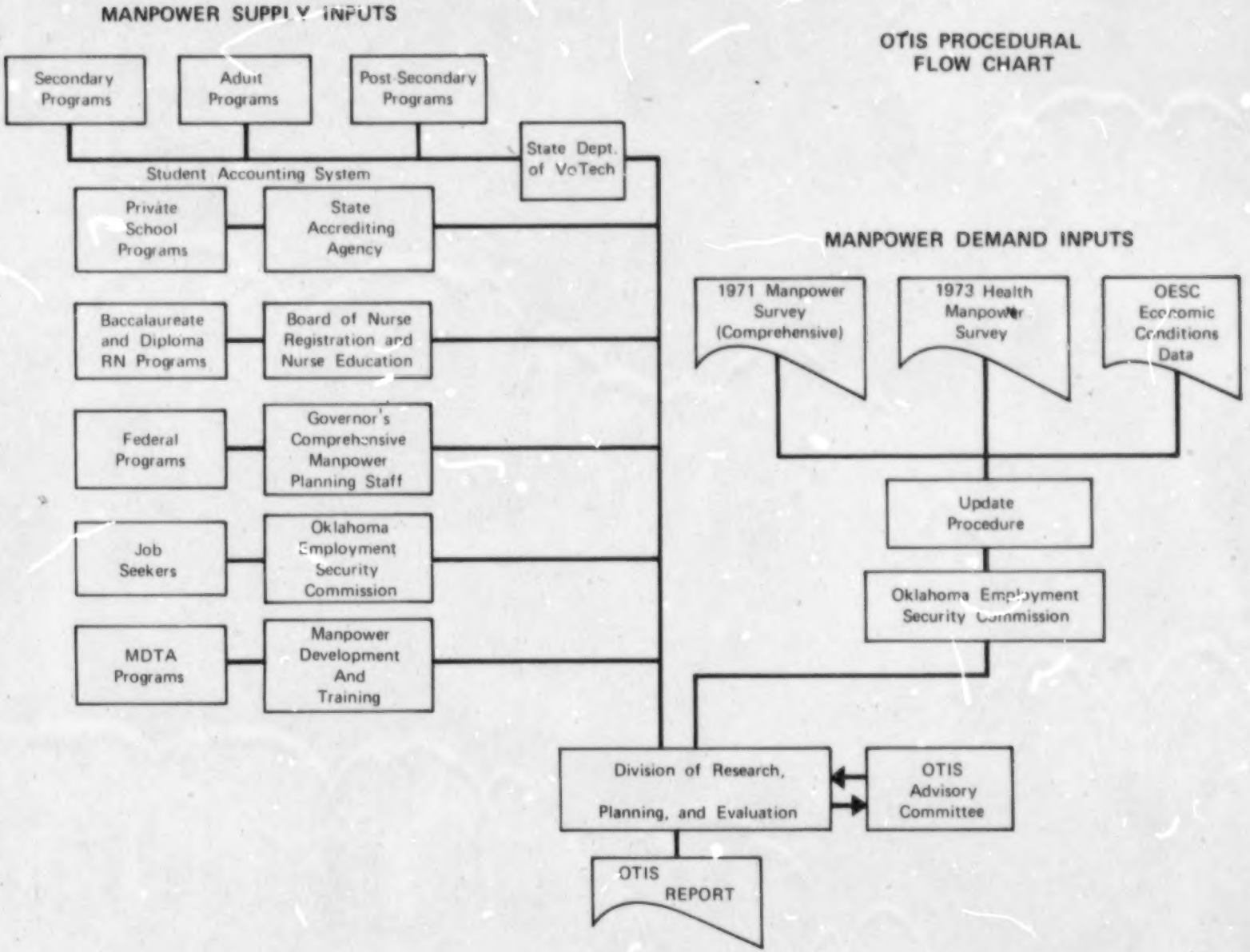
I. For each student on this report who was in your training program last year and is enrolled in the program again this year:
   1. Check to see if the student's social security number is correct. If it is not, write the correct social security number in the space (blocks) provided above the printed social security number.
   2. Check to see if the student's occupational objective number has changed. If it has, code the correct occupational objective code (see codes on back of sheet) in the space (blocks) provided above the printed occupational objective code.
   3. Write the name of the vocational class that the student is attending on the shaded line in the column headed Vocational Class.

II. For a student on this report who has completed the training program, dropped out, transferred, or whose status is unknown enter the appropriate alphabetic letter listed below, in the column headed Alpha Letter.

III. For a student who was not in your program last year, enter the alphabetic letter "P" in the column headed Alpha Letter.

Alphabetic Letter	COMPLETED THE TRAINING PROGRAM AND IS
A	Working full time--in occupation for which trained
B	Working full time--in Related occupation
C	Working full time--in Unrelated occupation
D	Working part time (does not include those in school full time)
E	Continuing education full time in Related Vocational - Technical Field
F	Continuing education full time in Unrelated Vocational Technical or other field
G	In school in other course work
H	Not employed and Not seeking
I	Not employed but is seeking
	DROPPED OUT OF THE PROGRAM AND IS
J	Working full time--in Field for which trained
K	Working full time--not in Field for which trained
L	Not employed full time
M	Remaining in School
N	TRANSFERRED to another school
O	Unknown or Deceased
P	Was not in training program
Q	Comprehensive Home Ec

APPENDIX B


MANPOWER SUPPLY INPUTS
OTIS PROCEDURAL FLOW CHART
Secondary Programs
Adult Programs
Post Secondary Programs
State Dept. of VoTech
Student Accounting System
Private School Programs
State Accrediting Agency
Baccalaureate and Diploma RN Programs
Board of Nurse Registration and Nurse Education
Federal Programs
Governor's Comprehensive Manpower Planning Staff
Job Seekers
Oklahoma Employment Security Commission
MDTA Programs
Manpower Development And Training
MANPOWER DEMAND INPUTS
1971 Manpower Survey (Comprehensive)
1973 Health Manpower Survey
OESC Economic Conditions Data
Update Procedure
Oklahoma Employment Security Commission
Division of Research, Planning, and Evaluation
OTIS Advisory Committee
OTIS REPORT

Statewide Totals and a Descending Ordering of Program Clusters

Accountant	* 5, 53**
Accounting Clerk	25, 53
Admitting Clerk	26, 53
Agricultural Mechanic	9, 89
Air Conditioning and Refrigeration	32, 88
Aircraft Accessories Mechanics	34, 79
Aircraft & Engine Mechanics	34, 79
Aircraft-Structure Assembler	41, 69
Aircraft Sub-Assembly Assembler	41, 69
Appliance Repairman	32, 72
Assembler-Metal Products	47, 56
Auto Air Conditioning	33, 88
Auto Body Repairman	33, 88
Auto Mechanics	33, 88
Auto Painter	33, 88
Auto Parts Clerk	33, 67
Auto Parts Manager	33, 67
Baker	44, 72
Bank Cashier	25, 53
Banking Teller	25, 53
Bench Grinder	40, 56
Biomedical Equipment Technician	22, 85
Bookkeeper	25, 53
Bookkeeping Machines Operator	25, 53
Boner or Skinner	45, 61
Brake Operator	42, 59
Brick Layer	36, 61
Building Inspector	43, 81
Bus Driver	47, 52
Business Programmer	31, 59
Butcher, All Round	45, 61
Buyer (Wholesaler/Retail)	8, 73
Cabinet Maker	46, 65
Cable Splicer	35, 60
Carpenter	35, 57
Cashier	25, 53
Cement Mason	36, 61
Central Supply Worker	20, 78
Chef	44, 55
Civil Engineer Technician	28, 69
Claim Adjuster	13, 61
Claims Clerk (Insurance)	25, 53
Claims Examiner	25, 53
Clerk-Typist	* 26, 53**
Community Health Worker	21, 79
Cook	44, 55
Copy Reader	39, 79
Copywriter	10, 83
Coremaker	40, 75
Cost Estimator	25, 53
Credit Clerk	25, 53
Cutter (Hand or Machine)	23, 54
Cylinder-Press Man	39, 79
Dental Hygienist	14, 82
Dental Lab Technician	22, 75
Dental Office Assistant	14, 75
Deputy Sheriff	43, 65
Dietary Technician	21, 82
Die Designer	40, 68
Diesel Mechanics	38, 70
Digital Computer Operator	31, 59
Dishwasher	45, 57
Draftsman, Architectural	31, 68
Draftsman, Civil	31, 68
Draftsman, Electrical	31, 68
Draftsman, Electronics	31, 68
Draftsman, Geological	31, 68
Draftsman, Map	31, 68
Draftsman, Mechanical	31, 68
Dump Truck Driver	47, 52
E.E.G. Technician	18, 85
E.K.G. Technician	19, 82
Electric Motor Repairman	38, 74
Electrical Technician	28, 71
Electrician	35, 60
Electromechanical Technician	29, 84
Electronics Assembler	38, 66
Electronics Mechanic	39, 66
Electronics Technician	28, 71
Environmental Health Technician	18, 86
Farm Hand, General	8, 74
Farm Manager	8, 74
Feed/Fertilizer Mixer	8, 73
Feedlot Worker	8, 74
Fieldman	8, 74
Fireman	43, 72
Flame Cutter, Hand	44, 58
Flame Cutter Machine Operator	42, 58

*Statewide Totals
**Descending Ordering of Program Clusters

Floral Design	* 9, 60**
Food Service Supervisor	12, 55
Forklift Operator	47, 52
Furniture Finisher	46, 65
Furniture Upholsterer	46, 76
General Office Clerk	26, 53
Greenhouse Man	9, 60
Grinder Mill Operator (Mining)	36, 62
Groundskeeper	9, 60
Heat Treater	42, 77
Heavy Equipment Operator	36, 62
Hostess	12, 55
Hotel Clerk	12, 64
Housekeeper	24, 58
Illustrator-Commercial Artist	34, 83
Industrial Technician	29, 76
Inhalation Therapy Technician	19, 86
Instrument Man	29, 77
Insurance Salesman	13, 61
Janitor	37, 58
Jet Engine Mechanic	34, 79
Laboratory Tester	28, 72
Laundry Personnel	39, 63
Layout Man (Machine Shop)	40, 56
Layout Man (Printing & Publications)	34, 83
Layout Man (Structural)	37, 64
Licensed Practical Nursing (L.P.N.)	16, 63
Lineman	35, 60
Livestock Caretaker	9, 66
Loan Closer	26, 53
Machinist, All-Round	40, 56
Mail Carrier	36, 59
Maintenance Man, Building	35, 57
Maintenance Man, Equipment	47, 60
Maintenance Mechanics Millwright	37, 71
Management Trainee	14, 65
Material Handler	47, 59
Meat Cutter	45, 61
Medical Emergency Technician	20, 86
Medical Lab Assistant	15, 77
Medical Office Assistant	79, 80
Medical Records Clerk	21, 75
Medical Records Librarian	15, 84
Metal Fabricator	41, 59
Mill Man	46, 65
Mill Operator	9, 89
New Accounts Clerk	25, 53
Nuclear Medical Technician	*22, 87**
Nurse Aide	16, 56
Nursery School Attendant	23, 70
Occupational Therapist Aide	17, 85
Offset-Press Man	39, 79
Painter or Paper Hanger	35, 56
Payroll Clerk	25, 53
Personnel Clerk	27, 76
Pharmacy Assistant	23, 80
Photographer or Cameraman	34, 82
Physical Therapist Aide	20, 78
Plater (Electro Plating)	42, 80
Plumber	36, 67
Policeman	43, 65
Post Office Clerk	26, 59
Power Plant Operator	46, 68
Precision Grinder	40, 56
Production Machine Tool Operator	40, 56
Program Coder	31, 59
Pruner-Picker	8, 79
Psychiatric Aide	16, 74
Public Relations	10, 77
Pumpman (Petroleum Refining)	30, 76
Purchasing Agent	13, 87
Quality Control Technician	30, 67
Radio & TV Repairman	39, 81
Radio Mechanic	39, 81
Radiologic Technician	18, 84
Real Estate Appraiser	13, 80
Recreation Leader	44, 73
Registered Nurse (Bacc., Dipl., Assoc.)	15, 64
Sales Clerk	11, 51
Sales Occupations (Goods)	11, 51
Salesman-Driver (Routeman)	11, 51
Seamstress or Tailor	23, 54
Secretary	27, 54
Service Salesman	10, 62
Service Station Attendant	11, 51
Sewing Machine Operator	23, 54
Shear Press Operator	40, 56
Sheet Metal Worker	41, 59
Small Engine Repair	45, 71
Social Worker	44, 70
Special Agent	13, 61
Spray Painter	35, 57
Statement Clerk	25, 53
Stationary Engineer	46, 68
Stenographer	27, 54

*Statewide Totals
**Descending Ordering or Program Clusters

Stillman (Petroleum Refining)	*30, 76**
Structural Steel Worker	37, 64
Surgical Technician	17, 73
Surveyor	28, 69
Teacher Aide	24, 65
Technical Publications Writer	32, 81
Telephone Installer	35, 60
Telephone Operator	26, 62
Title Clerk	27, 87
Tool & Die Maker	40, 56
Tool Machine Set-up Operator	40, 56
Tractor Trailer Truck Driver	47, 52
Traffic Manager	47, 52
Transit Clerk	25, 53
Truck Driver (Heavy)	47, 52
Truck Driver (Light)	47, 52
Underwriter	13, 61
Waitress or Waiter	12, 55
Ward Clerk	21, 67
Welder, Arc	42, 58
Welder, Combination	42, 58
Welding Machine Operator	42, 58
Yardman	9, 66

*Statewide Totals
**Descending Ordering or Program Clusters